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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
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| 10/528,118 | 02/03/2006 | Norbert Holl | 2732-167 | 8956 |

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| EXAMINER | |
|---|---|
| BITAR, NANCY | |

| ART UNIT | PAPER NUMBER |
|---|---|
| 2624 | |

| NOTIFICATION DATE | DELIVERY MODE |
|---|---|
| 04/07/2008 | ELECTRONIC |

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

PTO-PAT-Email@rfem.com

| Office Action Summary | Application No. | Applicant(s) | |
|---|---|---|---|
| | 10/528,118 | HOLL, NORBERT | |
| | Examiner | Art Unit | |
| | NANCY BITAR | 2624 | |

*-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --*

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE *3* MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

1)☒ Responsive to communication(s) filed on *16 March 2005*.

2a)☐ This action is **FINAL**. 2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

4)☒ Claim(s) *1-23* is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1-23* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

**Application Papers**

9)☐ The specification is objected to by the Examiner.

10)☒ The drawing(s) filed on *3/16/2005* is/are: a)☒ accepted or b)☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

12)☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a)☒ All b)☐ Some * c)☐ None of:

1.☒ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____.

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☒ Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date *4/14/06,3/16/05*.
4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____ .
5) ☐ Notice of Informal Patent Application
6) ☐ Other: _____.

## DETAILED ACTION

### Claim Objections

1. Claim 14 is objected to because of the following informalities: Claim 14 recites checking apparatus according to claim 13 whereas claim 13 teaches a checking device. Appropriate correction is required.

### Examiner Notes

2. Examiner cites particular columns and line numbers in the references as applied to the claims below for the convenience of the applicant. Although the specified citations are representative of the teachings in the art and are applied to the specific limitations within the individual claim, other passages and figures may apply as well. It is respectfully requested that, in preparing responses, the applicant fully consider the references in entirety as potentially teaching all or part of the claimed invention, as well as the context of the passage as taught by the prior art or disclosed by the examiner.

### Claim Rejections - 35 USC § 112

3. The following is a quotation of the second paragraph of 35 U.S.C. 112:

> The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

4. Claims 1-23 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as

the invention. The claims are generally narrative and indefinite, failing to conform with current U.S. practice. They appear to be a literal translation into English from a foreign document and are replete with grammatical and idiomatic errors.

**Claim Rejections - 35 USC § 102**

5. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless –
>
> (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

6. Claims 1-23 are rejected under 35 U.S.C. 102 (b) as being anticipated by Laskowski ET al (US 6,101,266).

As to claim 1, Laskowski et al teaches in figure 1 a method for checking a document of value , with which the document of value , at least in a partial area is illuminated with an intensity , ( each spot sensing assembly includes four emitters 32each of the emitters produces radiation at different wavelengths, figure 1) and at one or more measuring places (2) (entry end 14 to an exit end 16, figure 1, column 5, lines 54-66) the intensity of the light transmitted through the partial area of the document of value and the intensity of the light reflected ( a control circuit 24 produces sensed values that correspond to the detected radiation), in particular remitted, by the partial area of the document of value is captured, characterized in that the intensities of the transmitted and reflected light are captured separately ( the reflectance detector 20 is in operative connection with, and outputs first signals and a second signal, column 6, lines

1-12 and abstract), for the measuring place or the individual measuring places the respective sums of the intensities of the transmitted and reflected light are calculated ( the control circuit calculates a level of correlation between the stored values and the sensed values , column 5, lines 54-column 6, lines 1-12, see figure 4) the sum is compared to a predetermined standard value ( by comparing the correlated values to threshold values , the control circuit is operative to determine the type of note and other conditions such as if a note is worn, soiled, or a double note).

As to claim 2, Laskowski et al teaches a method according to claim 1, characterized in that the intensity values captured from the measuring place or the individual measuring places are corrected before the summation for compensating locally differing measuring conditions ( column 17, lines 17-32).

As to claim 3, Laskowski et al teaches a method according to claim 2, characterized in that the correction is effected for compensating local intensity fluctuations in illumination given when measuring ( column 17, lines 17-32).

As to claim 4, Laskowski et al teaches a method according to claim 2, characterized in that the correction is effected for compensating locally differing detector specifications (figure 2, 22).

As to claim 5, Laskowski et al teaches a method according to claim 4, characterized in that each captured intensity value before the summation is reduced by a dark current measuring value determined for the respective measuring place ( note that correlation values calculated may be tailored to note properties and area of interest, column 10m lines 1-3).

As to claim 6, Laskowski et al teaches a method according to claim 5, characterized in that for determining the dark current measuring values intensity measuring are effected with switched-off illumination (all the blue emitters go off and all the green emitters in each of the spot sensing assemblies come on, column 7, lines 6-21).

As to claim 7, Laskowski et al teaches a method according to claim 1, characterized in that each captured intensity value, is multiplied with a correction factor determined for the measuring place of the respective intensity value (These overall values are then multiplied together to calculate a final value indicative of correlation of the stored value set and the test note, column 9, lines 41-48).

As to claim 8, Laskowski et al teaches a method according to claim 7, characterized in that the correction factors are obtained on the basis of the intensity values, which are determined by means of intensity measuring in reference documents ( column 23, lines 53 to column 24, lines 1-9).

As to claim 9, Laskowski et al teaches a method according to claim 1, characterized in that the document of value in a transportation direction is guided past an illumination system and a detector system positioned to this, and with the illumination system at least on one side of the document of value an illumination profile is produced, which extends transverse to the transportation direction (see figure 2-3, note that FIG. 14 is a graphical representation of reflectance signals obtained from transversely disposed spot sensing assemblies for a skewed note, which signals are used by the control circuit to determine an angle of skew).

As to claim 10, Laskowski et al teaches a method according to claim 9, characterized in that with a plurality of detector elements, which are positioned in a row at right angles to the transportation direction( see figure 9) , the intensity values along a plurality of measuring tracks extending in parallel to the transportation direction are captured ( note that the control circuit 24 has the advantage that each of the digital signal processors operates in parallel on the master templates stored in its associated memory).

The limitation of claims 11-23 has been addressed above see also figure 2 and 3.

Claims 13-22 differ from claim 1-12 only in that claims 1-12 are method claims whereas, claims system claims. Thus, claims 13-22 are analyzed as previously discussed with respect to claims 1-12 above.

**Conclusion**

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to NANCY BITAR whose telephone number is (571)270-1041. The examiner can normally be reached on Mon-Fri (7:30a.m. to 5:00pm).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Bhavesh Mehta can be reached on 571-272-7453. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Andrew W. Johns/
Primary Examiner, Art Unit 2624

Nancy Bitar 3/30/2008